Subject index Volume 278

Acne 481
ADCC 264
Adenylate cyclase 293, 470
Adherence 190
β-Adrenergic receptor 377
−, receptors 293
Adipose tissue 114
Adverse effect 82
Agonist activation 293
AIDS 249
Allergic contact dermatitis 352
Allografts 252
Alopecia areata 214, 238
Alpha$_1$-antitrypsin 497
Alpha-thiolproteinase inhibitor 497
Amino acid uptake 171
Amino-isobutyric acid 171
Amyloid 206
Anaphylatoxins 41
Anatomic site 465
Animal 429
Antibodies to histones 410
Anti-cardiolipin antibodies 317
Antigen distribution 97
Arachidonate metabolites 449
Arachidonic acid 441
Aryl sulfatase C 491
Atopic dermatitis 199, 454
Autoradiography 416
Autosomal-dominant inheritance 1

Basal lamina 126
Basal-cell carcinoma 416
Behçet's syndrome 335
Benoxaprofen 494
Benzo(a)pyrene metabolism 324
Bituminosulfonate 190
Blend method 84
Blood vessels 49
BPV 1 79
BXSB mouse 343

C5a 41
Calf snout 423
Calf-snout epidermis 367
Calmodulin 133
Cancer 153
−, susceptibility 324
Candida albicans 314
Canthaxanthin 17
Carbohydrates 148
Carcinogenesis, experimental 347
Carcinogenicity 165
β-Carotene 17
Carriers 491
Cell cycle kinetics 241
−, kinetics 61
−, migration 184
Cellular retinoic acid-binding protein 302
Cerulenin 486
Chemiluminescence 41, 190, 274
Chemokinesis 270
Chemotactic factor 190
Chemotaxis 173, 184
Chlorpromazine 224
Cholesterol-cholesterol sulfate: fatty acid interactions 259
Chromatid aberrations 277
Chromatography 372
Chronic hepatic porphyria 13
Clobetasol propionate 497
Collagen 138
−, synthesis 232, 510
Complement 41
Computer taxonomy 107
Congenital 398
−, nevocytic nevi 49
Contact sensitivity 68, 97, 102
Conversion 419
Costovertebral gland 486
Cross-reactivity 317
Cutaneous mastocytosis 363
Cyclic AMP 161, 367
−, AMP-dependent protein kinase 367
Cyclosporin A 238
Cyproterone acetate 481
Cysteine proteinase 372
Cystic acne 507
Cytochrome oxidase 460

Debridement 429
Dehydroepiandrosterone 393
Dermal lymphocytic infiltrates 92
Dermatitis herpetiformis 44, 433
Dermatofibrosarcoma protuberans 138
Dermatophytosis 320
Desmosome 283
Desphosphorylation 423
Desquamation 259
Diaminobenzidine 460
Diathermy 84
Diazacholesterol-induced hyperkeratosis 426
Differentiation 120
Dimethyl sulfoxide (DMSO) 470
Dinitrophenylated epidermal cell 102
Diphencyprone 214
DNA measurements 92
−, polymerase 382
−, repair 25
−, replication 277
−, synthesis 133, 449
DNCB 97, 102
Double-stranded DNA 317

Ear swelling response 445
Elastin 386
−, pathology 386
Electrical epilation 84
ELISA 410
Enzyme release 190
Epidermal blister 324
−, cell 87
−, cultures 252
−, growth activity 74
Epidermis 17, 133, 199, 382, 407, 423, 460, 470
Epidermodysplasia verruciformis 247
Epithelium cell culture 372
Estrogens 13
Ethinyl estradiol 481
Etretinate 17, 426, 507
Experimental arteritis 340
Exudate 429

F(ab)' 44
Fatty acids 114
Feeding 97
Fibroblasts 138
Flow cytometry 92
−, −, (FCM) 241
Furocoumarin 31

Gelatin sponge embolization 340
Genetic counselling 1
−, disease 386
Genodermatosis 153
Glucose-6-phosphate dehydrogenase 393
Gluten 433
Gram-negative folliculitis 307, 314
Granulocytes 41, 274
Granulomas 61
Guinea pig 352

Hair dyes 165
−, growth 238
Hairless rat 503
Hereditary predisposition 13
Histamine 57
Histamine-N-methyltransferase 57
Histology 37
HLA-DR induction 416
Homograft in athymic mice 61
Hormone serum levels 238
Horseradish peroxidase 340
Human anagen hair bulbs 241
−, epidermal keratinocytes 293
−, epidermis 194
−, genetics 324
−, keratinocytes 171
−, papilloma virus 247
−, papillomavirus DNA 243
−, skin 255, 298
Hydroxyeicosatetraenoic acids 270
Hyperkeratosis 382
Hyperpigmentation 352
Hyperproliferation 17
Hypertrichosis 82

IgA 44, 433
IgE 199
IgG 433

Immune complex 340
Immunoblotting 410
Immunoelectron microscopy 474
Immunofluorescence 37, 120
Immunoglobulin deposits 474
Immunogold labelling 283
Immunological suppression 102
Immunoperoxidase method 214
Inflammatory skin diseases 177
Inhibition 184
Interdigitating reticulum cell 68
Interferon 329
–, α2 274
–, γ 274
Interferon-alpha 416
Interferon-gamma 416
Intermediates 419
Intracellular killing 77
Ionophore A 23187 184
Isotretinoin 307, 314, 426, 507

Kaposi's sarcoma 249
Keratin 419
–, polypeptide 367, 423
Keratinocyte differentiation 283
Keratinocyte 441
Keratinocytes 120, 133, 206, 337
–, in culture 74
Keratoacanthoma 243

Lamellar ichthyosis 1
Langerhans cell 68, 320
–, cells 126, 199, 252, 298
Laser Doppler velocimetry 500
Lemon oil 31
Lens capsule 120
Lepromatous leprosy 317
Leser-Trélat sign 74
Leukapheresis 437
Leukocyte rosette 87
Leukocytes 491
Leukopheresis 6
Leukotriene B_4 173, 184, 270
Leukotrienes 494
Lichen amyloidosus 206
Linoleic acid 481, 503
Lipogenesis 486
5-Lipoxygenase 173
Lipoxygenases 494
Local immunological control 61
Low-molecular-weight proteinase inhibitor 194
Lucigenin 41, 274
Lupus band test 343, 474
–, dermatoses 57
–, mephritis 343
Lymphatics 49
Lymphocytes 37, 249

Mascular amyloidosis 206
Melanogenesis 148
Melanoma metastasis 329
Membranes 293
Merkel cells 255
Mesenteric lymph node 68
Methoxsalen 347
Migration 126
Mineralized elastin 386
Monoclonal antibody 126, 377
Monocyte chemotaxis 454
Monocytes 173
Mononuclear cells of athymic mice 61
–, leukocytes 393
Mouse skin 161
MRL mice 474
MRL mouse 57, 343

Natural killer cells 507
Nerve contacts 398
Neuroendocrine cells 255
Neurofibromatosis 232
Neutrophil chemotaxis 454
Neutrophils 6, 37, 184, 190
Nevocytic nevi 398
Nevus cells 49, 398
NK-cell activity 264

Oral contraceptives 13
Ornithine decarboxylase 407
Oxypeucedanin 31

Papain 194
Papillomavirus DNA 219
Pemphigus 87
Percoll gradient 382
Percutaneous absorption 465, 500
Peroxidase 460
Peroxidation 224
Persistence 79
Phagocytosis 77
Photopigmentation 31
Photosensitization 224
Phototoxicity 31
Placebo 228
Plasma 114
–, exchange 437
Plasmapheresis 437
Platelet aggregation 449
PMN adherence 264
Polymorphonuclear leukocytes 77, 177
Polypeptides 337
Polyprenoic acid derivative 407
Porphyria cutanea tarda 13
Prekeratin 419
Premature aging 277
Premelanosomes 148
Propionibacteria 107
Prostaglandins 445
Protein kinase 161
–, phosphorylation 367
Proteinase inhibitor 372
Proteoglycan degradation 510
Pseudoxanthoma elasticum 386
Psoriasis 6, 25, 92, 114, 173, 264, 337, 393, 416, 419, 437, 449, 494, 507, Psoriatic polymorphonuclear leukocytes 270
PUVA 228, 320
–, therapy 25, 82
PUVA-therapy 347

QA 208-199 494

Radioimmunoassay 445
Reactive oxygen species 177
Recombinant leukocyte alpha-interferon 335
Renal allograft patients 219
Retinoid therapy 153
Retinoids 79, 161, 177, 302
Retinol-binding protein 17

Sampling design 298
Seborrhea 307
Sebum composition 481
–, secretion 481
Serine neutral proteinases 6
–, proteinases 363
Serum proteins 497
Sézary syndrome 74
Skin 25, 44, 302, 510
–, cancers 347
–, distribution 503
–, lipid 107
–, pathology 386
Squalene 224
Staphylococcus aureus 314
Stratum corneum lipids 259
Stripping method 465
Suction blister 497
Sunburn cell 445
Superoxide anion 190
Systemic lupus erythematosus (SLE) 410
Systemic lupus erythematosus 247

T6 Antigen 126
T-Cell subpopulations 214
Tape stripping 102
Testes 302
Thermolability 277
Thymectomy 343
Tight-skin mouse 510
Time-dependent suppression 329
Tolerance 97
Topical immunotherapy 214
Transforming cells 1
Trichophyton mentagrophytes 77
Trypsin 194
Tubuloreticular structures 249

Ulcer model 429
Ultrastructural morphometry 298
Ultrastructure 1, 49, 398
Uroporphyrinogen-decarboxylase defect 13
Urticaria 37, 228
UV irradiation 441
UV-A light 224
UVA 228, 352
UVB 25, 352, 445

Vasoactive drugs 500
Viruses 153
Vitamin A_1 17
–, A_2 17

Warts 219
Werner's syndrome 277
Wheat germ agglutinin 433
Wound repair 184

X-Linked ichthyosis 259, 491

Contents Volume 278

Original contributions and short communications

Abel EA, see Bishop SC 25
Adachi K, see Itami S, et al. 377
Albini A, see Schmoeckel C, et al. 138
Altomare GE, see Pigatto PD, et al. 507
Announcements 432
Aoyagi T, see Nemoto O, et al. 407
Arakawa M, see Kohda M, et al. 340
Asano S, see Sonoda Y, et al. 68
Aso K, see Katagata Y 419

Baccarani Contri M, see Pasquali Ronchetti I, et al. . . . 386
Bäck O, see Egelrud T 44
Barszcz D, see Gliński W, et al. 6
Bazzano G, see Madani K, et al. 302
Bedord CJ, Ruddle DL, Wagner BM: Hamster Costovertebral Organ Lipogenesis in vitro and in vivo: Effects of Cerulenin 486
Benes P, see Schopf RE, et al. 393
Bengtsson U, see Olafsson JH, et al. 228
Bernard BA, see Lenoir MC, et al. 120
Berne B, see Vahlquist C, et al. 114
Berrebi C, see Roguet R, et al. 503
Berrens L, see Bruynzeel-Koomen C, et al. 199
Bertazzoni GM, see Pasquali Ronchetti I, et al. 386
Besani L, see Pigatto PD, et al. 507
Bhan AK, see Murphy GF, et al. 126
Bishop SC, Abel EA: DNA Repair Elicited by UVB During PUVA Therapy for Psoriasis 25
Boberg M, see Vahlquist C, et al. 114
Bolton LL, Constantine BE: A Wound Model for Ischemic Ulcers in the Guinea Pig 429
Brandtzaeg P, see Sollid LM, et al. 433
Bruckner-Tudermann L, see Meyer JC, et al. 491
Bruynzeel PLB, see Bruynzeel-Koomen C, et al. 199
Bruynzeel-Koomen C, Wichen DF van, Toonstra J, Berrens L, Bruynzeel PLB: The Presence of IgE Molecules on Epidermal Langerhans Cells in Patients with Atopic Dermatitis 199

Cantfort J van, Lorand T, Gielen JE, Lapière CM: Human Epidermal Blister: A Convenient Tissue for Toxicological and Genetic Studies of Benzo(a)pyrene Metabolism 324
Carraux P, see Mérot Y, et al. 255
Cavey D, see Cavey MT, et al. 293
Cavey MT, Cavey D, Shroot B, Reichert U, Gazith J: Receptor-Linked Adenylate Cyclase in the Membranes of Cultured Human Epidermal Keratinocytes 293
Chou A, see Madani K, et al. 302
Christensen IJ, see Lange Wantzin G, et al. 92
Colotta F, see Pigatto PD, et al. 507
Constantine BE, see Bolton LL 429
Corroller M, see Roguet R, et al. 503
Cunliffe WJ, see Stewart ME, et al. 481
Cunningham FM, Wong E, Woollard PM, Greaves MW: The Chemokinetic Response of Psoriatic and Normal Polymorphonuclear Leukocytes to Arachidonic Acid Lipoxygenase Products 270
Czarnetzki BM, see Mensing H 184

Danno K, see Ikai K, et al. 445
Deinlein E, Schell H, Fenner M, Katsuoka K: Cell Kinetics of Human Anagen Hair Bulbs as Determined by DNA Flow Cytometry 241
Demidem A, see Thivolet J, et al. 252
DiCicco LM, Fraki JE, Mansbridge JN: Cell Membrane Polypeptides on Keratinocytes of Normal and Psoriatic Skin 337
Djawari D, see Hauck H, et al. 77
Doss M, see Sixel-Dietrich F 13
Downing DT, see Stewart ME, et al. 481
Dupuis D, see Roguet R, et al. 503
Dupuis D, see Rougier A, et al. 465

Egelrud T, Bäck O: Dermatitis Herpetiformis: 'pH Optimum' for the Release of Potentially Antigen-Binding IgA Fragments from Papillary Dermis of Uninvolved Skin by Peptic Digestion 44
Eichelberg D, see Tsambaos D, et al. 335
Elamir S, see Guy RH, et al. 500
Elias PM, see Rehfeld SJ, et al. 259
Epstein WL, see Nishimura M, et al. 61

Fallon JD, see Kragballe K 449
Faure M, see Thivolet J, et al. 252
Fenner M, see Deinlein E, et al. 241
Ferracin J, see Lenoir MC, et al. 120
Flotte T, see Murphy GF, et al. 126
Fogh K, Ternowitz T, Kragballe K, Herlin T: Chemotactic Lipoxygenase Products in Sera from Patients with Psoriasis 173
Fonferko E, see Murphy GF, et al. 126
Frączykowska M, see Majewski S, et al. 264
Fräki JE, Schechter NM, Lazarus GS: Serine Proteinases in Human Cutaneous Mastocytosis 363
Fraki JE, see DiCicco LM, et al. 337
Frenk E, see Walzer C 460
Fuchs P, see Gassenmaier A, et al. 219
Fuchs PG, see Pfister H, et al. 243
Fujimoto D, see Shikata H, et al. 510
Fujita H, Matsuo I, Okazaki M, Yoshino K, Ohkido M: Chlorpromazine-Sensitized Photooxidation of Squalene 224
Fukuyama K, see Nishimura M, et al. 61
Furukawa F, Kashihara M, Imamura S, Ohshio G, Hamashima Y: Evaluation of Anti-Cardiolipin Antibody and its Cross-Reactivity in Sera of Patients with Lepromatous Leprosy 317
Furukawa F, Ohshio G, Tanaka H, Nakamura T, Ikehara S, Imamura S, Hamashima Y: Pathogenesis of Lupus Dermatoses in Autoimmune Mice. VI. Correlation Between Positivity of Lupus Band Test and Lupus Nephritis 343
Furukawa F, see Horiguchi Y, et al. 474
Furukawa F, see Tachibana T, et al. 57

Gassenmaier A, Fuchs P, Schell H, Pfister H: Papillomavirus DNA in Warts of Immunosuppressed Renal Allograft Recipients 219
Gassenmaier A, Lammel M, Kleiner E, Pfister H: Treatment of Bovine-Papillomavirus-Type-1 (BPV)-transformed Mouse Cells with Aromatic Retinoid and Retinoic Acid 79
Gassenmaier A, see Pfister H, et al. 243
Gaucherand M, see Haftek M, et al. 283
Gazith J, see Cavey MT, et al. 293
Gebhart W, Schmidt JB, Schemper M, Spona J, Kopsa H, Zazgornik J: Cyclosporin-A-Induced Hair Growth in Human Renal Allograft Recipients and Alopecia Areata 238
Geiger J-M, Hartmann H-R: Diazacholesterol-Induced Ichthyosiform Changes in Hairless Mice: Effects of Oral Etretinate and Isotretinoin 426
Gielen JE, see Cantford J van, et al. 324

Gilardi S, see Meyer JC, et al. . . . 491
Gliński W, Barszcz D, Jabłońska S, Zarębska Z, Tigalonowa M, Janczura E: Leukopheresis for Treatment of Psoriasis: Is Therapeutical Benefit Related to Reduced Activities of Neutral Proteinases of Polymorphonuclear Leukocytes . . . 6
Goi H, see Takiuchi I, et al. . . . 194
Goos M, see Tsambaos D, et al. . . . 335
Granerus G, see Olafsson JH, et al. . . . 228
Greaves MW, see Cunningham FM, et al. . . . 270
Greenwood R, see Stewart ME, et al. . . . 481
Guy RH, Tur E, Schall LM, Elamir S, Maibach HI: Determination of Vehicle Effects on Percutaneous Absorption by Laser Doppler Velocimetry . . . 500

Haftek M, Viac J, Schmitt D, Gaucherand M, Thivolet J: Ultrastructural Quantitation of Desmosome and Differentiation-Related Keratinocyte Membrane Antigen . 283
Halprin KM, see Itami S, et al. . . . 377
Hamashima Y, see Furukawa F, et al. . . . 317, 343
Hamashima Y, see Horiguchi Y, et al. . . . 474
Hamashima Y, see Tachibana T, et al. . . . 57
Hannuksela M, Stenbäck F, Lahti A: The Carcinogenic Properties of Topical PUVA. A Lifelong Study in Mice 347
Happle R, Klein HM, Macher E: Topical Immunotherapy Changes the Composition of the Peribulbar Infiltrate in Alopecia Areata . . . 214
Happle R, see Kim MA, et al. . . . 277
Happle R, see Kolde G, et al. . . . 1
Hartmann H-R, see Geiger J-M . . . 426
Hashimoto K, see Katayama I, et al. . . . 87
Hashimoto Y, see Iizuka H, et al. . . . 133
Hauck H, Skořepová M, Simon M Jr, Djawari D: Intracellular Killing of *Trichophyton mentagrophytes* Microconidia by Normal Human Polymorphonuclear Leukocytes 77
Herlin T, see Fogh K, et al. . . . 173
Herlin T, see Ternowitz T . . . 454
Hidaka T, see Ogura R, et al. . . . 382
Higuchi D,see Takiuchi I, et al. . . . 194
Higuchi M, see Nishimura M, et al. . . . 61
Hiramatsu M, see Shikata H, et al. . . . 510
Hirokawa M, see Iizuka h, et al. . . . 133
Hirose S, see Naganuma M, et al. . . . 31
Holian O, Kumar R: Cyclic AMP and Cyclic AMP-Dependent Protein Kinase in Mouse Skin. II. In Vitro Effects of Isotretinoin and Etretinate . . . 161
Hopsu-Havu VK, Joronen I, Rinne A, Järvinen M: A 43-kDa Papain Inhibitor Produced by a Cultured Human Epidermal Cell Line . . . 372
Horiguchi Y, Furukawa F, Hamashima Y, Imamura S: Ultrastructural Lupus Band Test in the Skin of MRL Mice . . . 474
Horio T, see Ikai K, et al. . . . 445
Horio T, see Okuwa T . . . 320
Horiuchi Y, Katsuoka K, Takezaki S, Nishiyama S: Study of Epidermal Growth Activity in Cultured Human Keratinocytes from Peripheral-Blood Lymphocytes of a Patient with Sézary Syndrome Associated with the Leser-Trélat Sign . . . 74
Hunziker Th, see Schnyder J, et al. . . . 494

Ichihashi M, see Ueda M, et al. . . . 329
Iizuka H, Hashimoto Y, Hirokawa M, Matsuo S, Mizumoto T, Ohkawara A: Pig-Skin Epidermal Calmodulin: Effects of Antagonists of Calmodulin on DNA Synthesis of Pig-Skin Epidermis . . . 133
Iizuka H, see Watanabe M . . . 470
Ikai K, Danno K, Horio T, Narumiya S: Ear Swelling in Response to UVB Irradiation . . . 445
Ikai K, McGuire J: Dephosphorylating Activity of Phosphorylated Keratin Polypeptides in Calf Snout Epidermis . . . 423
Ikai K, McGuire JS: Cyclic AMP-Dependent Protein Kinase in Calf-Snout Epidermis . . . 367
Ikehara S, see Furukawa F, et al. . . . 343
Imamura S, see Furukawa F, et al. . . . 317, 343
Imamura S, see Horiguchi Y, et al. . . . 474
Imamura S, see Tachibana T, et al. . . . 57
Imamura S, see Yoshioka A, et al. . . . 177
Imokawa G, Kawai M, Mishima Y, Motegi I: Differential Analysis of Experimental Hypermelanosis Induced by UVB, PUVA, and Allergic Contact Dermatitis Using a Brownish Guinea Pig Model . . . 352
Itami S, Tsutsui M, Kino J, Koizumi H, Katayama H, Halprin KM, Adachi K: Monoclonal Antibodies to the β-Adrenergic Receptor: Modulation of Catecholamine-Sensitive Adenylate Cyclase by the Antibody . . . 377

Jabłońska S, see Gliński W, et al. . . . 6
Jabłońska S, see Majewski S, et al. . . . 264
Järvinen M, see Hopsu-Havu VK, et al. . . . 372
Järvinen M, see Kiistala U, et al. . . . 497
Janczura E, see Gliński W, et al. . . . 6
Jansén CT, see Punnonen K, et al. . . . 441
Johansson E, see Kanerva LO, et al. . . . 153
Joost T van, see Peereboom-Wynia JDR, et al. . . . 84
Joronen I, see Hopsu-Havu VK, et al. . . . 372

Kamiński M, see Majewski S, et al. . . . 264
Kanda R, see Tanigaki T, et al. . . . 247
Kaneko N, see Ogura R, et al. . . . 382
Kanerva LO, Johansson E, Niemi K-M, Lauharanta J, Salo OP: Epidermodysplasia Verruciformis. Clinical and Light- and Electron-Microscopic Observations During Etretinate Therapy . . . 153
Kapp A, Kirchner H, Wokalek H, Schöpf E: Modulation of Granulocyte Oxidative Response by Recombinant Interferon $\alpha 2$ and γ . . . 274
Kapp A, Maly FE, Schöpf E: Detection of Complement Activation in Human Serum Using C5A-Induced Chemiluminescence of Human Granulocytes . . . 41
Kapp A, see Kownatzki E, et al. . . . 190
Kashihara M, see Furukawa F, et al. . . . 317
Kashimata M, see Shikata H, et al. . . . 510
Katagata Y, Aso K: Intermediates in the Conversion of Perkeratin into Keratin Molecules in Psoriatic Epidermis . . . 419
Katayama H, see Itami S, et al. . . . 377
Katayama I, Hashimoto K, Nishioka K: Antibody-Mediated Rosette Formation of the Epidermal Cells with Leukocytes in Pemphigus Vulgaris . . . 87
Katrina N, Nordstrom M, Noble WC: Application of Computer Taxonomic Techniques to the Study of Cutaneous Propionibacteria and Skin-Surface Lipid . . . 107
Katsuoka K, see Deinlein E, et al. . . . 241
Katsuoka K, see Horiuchi Y, et al. . . . 74
Kawai M, see Imokawa G, et al. . . . 352
Kawamura M, see Takiuchi I, et al. . . . 194
Kiistala U, Oikarinen A, Järvinen M, Ruokonen A: Alphathiolproteinase Inhibitor, Alpha$_1$-antitrypsin and Serum Proteins in Suction Blister Fluid; Effect of Local Glucocorticosteroid Treatment . . . 497

Kim MA, Happle R, Traupe H, Kim My A: Lymphocyte Proliferation and Nucleoid Sedimentation in a Case of Premature Aging Distinct from Werner's Syndrome . . 277
Kim My A, see Kim MA, et al. 277
Kino J, see Itami S, et al. 377
Kirchner H, see Kapp A, et al. 274
Kishida T, see Ueda M, et al. 329
Kita M, see Ueda M, et al. 329
Kleiman H, see Peereboom-Wynia JDR, et al. 84
Klein HM, see Happle R, et al. 214
Kleiner E, see Gassenmaier A, et al. 79
Knop J, see Kolde G 298
Kohda M, Arakawa M, Ueki H: Experimental Immune Complex Arteritis Under Embolization with Gelatin Sponge Powder: A New Model for Induction 340
Koizumi H, see Itami S, et al. 377
Koizumi H, see Nemoto O, et al. 407
Kolberg J, see Sollid LM, et al. 433
Kolde G, Happle R, Traupe H: Autosomal-Dominant Lamellar Ichthyosis: Ultrastructural Characteristics of a New Type of Congenital Ichthyosis 1
Kolde G, Knop J: Ultrastructural Morphometry of Epidermal Langerhans' Cells: Introduction of a Simple Method for a Comprehensive Quantitative Analysis of the Cells 298
Konrad K, see Schenk P, et al. 249
Konstantinov K, Russanova V, Russeva V: Antibodies to Histones and Disease Activity in Systematic Lupus Erythematosus: A Comparative Study with an Enzyme-Linked Immunosorbent Assay and Immunoblotting . 410
Kopsa H, see Gebhart W, et al. 238
Kownatzki E, Kapp A, Uhrich S: Inhibitory Effect of Sulfonated Shale Oils (Ammonium Bituminosulfonate) on the Stimulation of Neutrophilic Granulocytes by the Chemotactic Tripeptide f-Met-Leu-Phe 190
Kragballe K, Fallon JD: Increased Aggregation and Arachidonic Acid Transformation by Psoriatic Platelets: Evidence that Platelet-derived 12-Hydroxy-eicosatetraenoic Acid Increases Keratinocyte DNA-Synthesis in vitro 449
Kragballe K, see Fogh K, et al. 173
Krebs A, see Schnyder J, et al. 494
Krieg T, see Schmoeckel C, et al. 138
Krone W, see Mühleck O, et al. 232
Kumar R, see Holian O 161

Lahti A, see Hannuksela M, et al. 347
Lammel M, see Gassenmaier A, et al. 79
Lange Wantzin G, Larsen JK, Christensen IJ, Ralfkiaer E, Tjalve M, Lund Kofoed M, Thomsen K: Activated and Cycling Lymphocytes in Benign Dermal Lymphocytic Infiltrates Including Psoriatic Skin Lesions 92
Lapière CM, see Cantford J va, et al. 324
Larkö O, see Olafsson JH, et al. 228
Larsen JK, see Lange Wantzin G, et al. 92
Lauharanta J, see Kanerva LO, et al. 153
Lazarus GS, see Fräki JE, et al. 363
Lenoir MC, Bernard BA, Ferracin J, Shroot B, Vermorken AJM: Growth and Differentiation of Human Keratinocytes Cultured on Eye Lens Capsules 120
Liedén G, Skogh M: Plasma Exchange and Leukapheresis in Psoriasis — No Effect? 437
List of reviewers 513
Lorand T, see Cantford J van, et al. 324
Lotte C, see Roguet R, et al. 503
Lotte C, see Rougier A, et al. 465
Lund Kofoed M, see Lange Wantzin G, et al. 92

Macher E, see Happle R, et al. 214
Madani K, Bazzano G, Chou A: Evaluation of Retinoids as Inhibitors of [^{3}H] All-Trans Retinoic Acid Binding to Cellular Retinoic Acid-Binding Protein in Rat Skin and Testes 302
Mahrle G, see Schulze H-J 416
Maibach HI, see Guy RH, et al. 500
Maibach HI, see Rougier A, et al. 465
Maie O, Schneider BV: The Ultrastructure of Congenital Nevocytic Nevi. II. Nevus Cell Morphology and Contacts with Nerve Fibres 398
Maie O, see Schneider BV 49
Majewski S, Wąsik M, Jabłońska S, Kamiński M, Frączykowska M: Defective Natural-Killer- and Killer-Cell Activity Associated with Increased Polymorphonuclear Leukocyte Adherence in Psoriasis 264
Maly FE, see Kapp A, et al. 41
Mansbridge JN, see DiCicco LM, et al. 337
Mao R, see Mühleck O, et al. 232
Masumizu T, see Shikata H, et al. 510
Matsuo I, see Fujita H, et al. 224
Matsuo S, see Iizuka H, et al. 133
Mauduit G, see Thivolet J, et al. 252
McGuire J, see Ikai K 423
McGuire JS, see Ikai K 363
Mensing H, Czarnetzki BM: Generation and Characterization of a Neutrophil-Derived Inhibitor of Fibroblast Chemotaxis 184
Mérot Y, Carraux P, Saurat JH: Human Dermal Neuroendocrine Cells (So-Called Dermal Merkel Cells): A Further Observation 255
Meyer JC, Gilardi S, Sigg C, Bruckner-Tudermann L: Intermediate Levels of Aryl Sulfatase C in Human Leukocytes of Female Carriers for X-Linked Recessive Ichthyosis 491
Michaëlsson G, see Vahlquist C, et al. 114
Mishima Y, see Imokawa G, et al. 352
Mishima Y, see Ueda M, et al. 329
Miyachi Y, see Yoshioka A, et al. 177
Miyazaki T, see Sonoda Y, et al. 68
Mizumoto T, see Iizuka H, et al. 133
Mojamdar M, see Ueda M, et al. 329
Morelli M, see Pigatto PD, et al. 507
Morello JA, see Simjee S, et al. 314
Morsches B, see Schopf RE, et al. 393
Motegi I, see Imokawa G, et al. 352
Mühleck O, Krone W, Mao R, Weber L: Cell Culture Studies on Neurofibromatosis (von Recklinghausen's Disease). IV. Collagen Synthesis 232
Müller F.-J., see Schopf RE, et al. 393
Murphy GF, Fonferko E, Flotte T, Bhan AK: Association of Basal-Lamina Defects with Epidermal and Dermal T6-Positive Cells: Evidence of Langerhans-Cell Migration 126

Nagakawa S, see Oka D, et al. 102
Naganuma M, Hirose S, Nakayama Y, Nakajima K, Someya T: A Study of the Phototoxicity of Lemon Oil . 31
Nakagawa S, see Takei Y, et al. 97
Nakajima K, see Naganuma M, et al. 31
Nakamura T, see Furukawa F, et al. 343
Nakayama Y, see Naganuma M, et al. 31
Narumiya S, see Ikai K, et al. 445
Nemoto O, Koizumi H, Aoyagi T: A Novel Synthetic Vitamin-A-like Compound (a Polyprenoic Acid Derivative: E-5166) Inhibits UVB-Stimulated Epidermal Ornithine Decarboxylase Activity 407

Neubert U, Plewig G, Ruhfus A: Treatment of Gram-Negative Folliculitis with Isotretinoin 307
Niemi K-M, see Kanerva LO, et al. 153
Nishimura M, Higuchi M, Fukuyama K, Epstein WL: Autoradiographic Studies of Cell Dynamics in Immunogenic Granulomas Transplanted into the Skin of Athymic Nude Mice 61
Nishioka K, see Katayama I, et al. 87
Nishiyama S, see Horiuchi Y, et al. 74
Niwa Y, see Yoshioka A, et al. 177
Noble WC, see Katrina N, et al. 107
Noguchi M, see Shikata H, et al. 510
Nordstrom M, see Katrina N, et al. 107
Norén P, see Westermark P 206

Ogura R, Kaneko N, Hidaka T: DNA Polymerase Activity in the n-Hexadecane-Induced Hyperkeratotic Epidermis 382
Ohkawara A, see Iizuka H, et al. 133
Ohkido M, see Fujita H, et al. 224
Ohshio G, see Furukawa F, et al. 317, 343
Oikarinen A, see Kiistala U, et al. 497
Oka D, Nagakawa S, Ueki H: The Suppressive Effect of Tape-Stripping Treatment of Guinea-Pig Skin on the Induction of Contact Sensitivity by Intradermal Injection of Haptenated Epidermal Cells 102
Oka D, see Takei Y, et al. 97
Okazaki M, see Fujita H, et al. 224
Okuwa T, Horio T: The Inhibitory Effect of PUVA on the Immunity of Experimental Dermatophytosis in Guinea Pigs 320
Olafsson JH, Larkö O, Roupe G, Granerus G, Bengtsson U: Treatment of Chronic Urticaria with PUVA or UVA Plus Placebo: A Double-Blind Study 228
Ortonne JP, see Verrando P 171

Pasquali Ronchetti I, Baccarani Contri M, Pincelli C, Bertazzoni GM: Effect of Selective Enzymatic Digestions on Skin Biopsies from Pseudoxanthoma Elasticum: An Ultrastructural Study 386
Peereboom-Wynia JDR, Stolz E, Joost T van, Kleiman H: A Comparative Study of the Effects of Electrical Epilation of Beard Hairs in Women with Hirsutism by Diathermy and by the Blend Method 84
Pfister H, Gassenmaier A, Fuchs PG: Demonstration of Human Papillomavirus DNA in Two Keratoacanthomas 243
Pfister H, see Gassenmaier A, et al. 79
Pfister H, see Gassenmaier A, et al. 219
Pigatto PD, Besani L, Colotta F, Morelli M, Altomare GE, Polenghi MM: Effect of Retinoids on Natural Killer Cell Activity 507
Pincelli C, see Pasquali Ronchetti I, et al. 386
Plewig G, see Neubert U, et al. 307
Polenghi MM, see Pigatto PD, et al. 507
Punnonen K, Puustinen T, Jansén CT: UVB Irradiation Induces Changes in the Distribution and Release of ^{14}C-Arachidonic and in Human Keratinocytes in Culture 441
Puustinen T, see Punnonen K, et al. 441

Ralfkiaer E, see Lange Wantzin G, et al. 92
Rampen FHJ: Hypertrichosis: A Side-Effect of PUVA Therapy 82
Rappersberger K, see Schenk P, et al. 249
Rathjen P, see Sahlmann B, et al. 148
Rehfeld SJ, Williams ML, Elias PM: Interactions of Cholesterol and Cholesterol Sulfate with Free Fatty Acids: Possible Relevance for the Pathogenesis of Recessive X-Linked Ichthyosis 259
Reichert U, see Cavey MT, et al. 293
Richardson B, see Schnyder J, et al. 494
Rinne A, see Hopsu-Havu VK, et al. 372
Roguet R, Lotte C, Berrebi C, Rouers D, Dupuis D, Rougier A, Corroller M, Wepierre J: In vivo Distribution of Linoleic Acid in Hairless Rat Skin Following Topical Administration 503
Rollman O, Vahlqvist A: Psoriasis and Vitamin A. Plasma Transport and Skin Content of Retinol, Dehydroretinol and Carotenoids in Adult Patients Versus Healthy Controls 17
Rouers D, see Roguet R, et al. 503
Rougier A, Dupuis D, Lotte C, Rouguet R, Wester RC, Maibach HI: Regional Variation in Percutaneous Absorption in Man: Measurement by the Stripping Method 465
Rougier A, see Roguet R, et al. 503
Rouguet R, see Rougier A, et al. 465
Roupe G, see Olafsson JH, et al. 228
Ruddle DL, see Bedord CJ, et al. 486
Ruhfus A, see Neubert U, et al. 307
Ruokonen A, see Kiistala U, et al. 497
Russanova V, see Konstantinov K, et al. 410
Russeva V, see Konstantinov K, et al. 410

Sagami S, see Sonoda Y, et al. 68
Sahlmann B, Rathjen P, Stanka P: Demonstration of Carbohydrates in Premelanosomes by Ultrastructural Cytochemistry 148
Sahm DF, see Simjee S, et al. 314
Salo OP, see Kanerva LO, et al. 153
Sato K, see Tanigaki T, et al. 247
Saurat JH, see Mérot Y, et al. 255
Schall LM, see Guy RH, et al. 500
Schechter NM, see Fräki JE, et al. 363
Schell H, see Deinlein E, et al. 241
Schell H, see Gassenmaier A, et al. 219
Schemper M, see Gebhart W, et al. 238
Schenk P, Konrad K, Rappersberger K: Tubuloreticular Structures in Peripheral Blood Cells From Patients with AIDS-Associated Kaposi's Sarcoma 249
Schmidt JB, see Gebhart W, et al. 238
Schmitt D, see Haftek M, et al. 283
Schmoeckel C, Albini A, Krieg T, Stets R: The Fibroblastic Nature of Dermatofibrosarcoma Protuberans: Morphological Investigations In Vivo and In Vitro 138
Schneider BV, Maie O: The Ultrastructure of Congenital Nevocytic Nevi. I. Nevus Cells in Walls of Blood Vessels and Lymphatics 49
Schneider BV, see Maie O 398
Schnyder J, Hunziker Th, Strasser M, Richardson B, Krebs A: Reduction of Lipoxygenase Products in Psoriatic Skin Homogenates by QA 208–199 494
Schöpf E, see Kapp A, et al. 41, 274
Schopf RE, Müller F-J, Benes P, Morsches B: Augmented Glucose-6-Phosphate Dehydrogenase Activity and Normal Penetration and Metabolism of Dehydroepiandrosterone in Mononuclear Leukocytes in Psoriasis . . . 393
Schulze H-J, Mahrle G: Effect of Interferons (rIFN-alpha 2, rIFN-gamma) on DNA-Synthesis and HLA-DR Expression in Psoriasis 416
Scott H, see Sollid LM, et al. 433

Shikata H, Hiramatsu M, Kashimata M, Noguchi M, Masumizu T, Fujimoto D, Utsumi N: Enzyme Activities Involved in Connective Tissue Metabolism in the Skin of Thight-skin (TSK) Mice 510
Shroot B, see Cavey MT, et al. 293
Shroot B, see Lenoir MC, et al. 120
Sigg C, see Meyer JC, et al. 491
Simjee S, Sahm DF, Soltani K, Morello JA: Organisms Associated with Gram-Negative Folliculitis: In Vitro Growth in the Presence of Isotretinoin 314
Simon M Jr, see Hauck H, et al. 77
Sixel-Dietrich F, Doss M: Hereditary Uroporphyrinogen-Decarboxylase Deficiency Predisposing Porphyria Cutanea Tarda (Chronic Hepatic Porphyria) in Females After Oral Contraceptive Medication 13
Skogh M, see Liedén G 437
Skořepová M, see Hauck H, et al. 77
Sollid LM, Scott H, Kolberg J, Brandtzaeg P: Serum Antibodies to Wheat Germ Agglutinin and Gluten in Patients with Dermatitis Herpetiformis 433
Soltani K, see Simjee S, et al. 314
Someya T, see Naganuma M, et al. 31
Sonoda Y, Miyazaki T, Asano S, Sagami S: Increased Langerhans Cells and Related Cells in mesenteric Lymph Nodes of DNCB-Sensitive Mice 68
Spona J, see Gebhart W, et al. 238
Stanka P, see Sahlmann B, et al. 148
Stenbäck F, see Hannuksela M, et al. 347
Stets R, see Schmoeckel C, et al. 138
Stewart ME, Greenwood R, Cunliffe WJ, Strauss JS, Downing DT: Effect of Cyproterone Acetate-ethinyl Estradiol Treatment on the Proportions of Linoleic and Sebaleic Acids in Various Skin Surface Lipid Classes . . . 481
Stolz E, see Peereboom-Wynia JDR, et al. 84
Strasser M, see Schnyder J, et al. 494
Strauss JS, see Stewart ME, et al. 481
Subject index 515

Tachibana T, Furukawa F, Taniguchi S, Hamashima Y, Imamura S: Histamine Metabolism in Skin of MRL/I Mice 57
Takagi H, see Takiuchi I, et al. 194
Takei Y, Nakagawa S, Oka D, Ueki H: The Distribution of 2,4-Dinitrophenyl Groups in Guinea Pigs Following Feeding of 2,4-Dinitrochlorobenzene 97
Takezaki S, see Horiuchi Y, et al. 74
Takiuchi I, Takagi H, Goi H, Kawamura M, Higuchi D: Low-Molecular-Weight Proteinase Inhibitor of Human Epidermis Inhibiting Papain and Trypsin Activity . . 194
Tanaka H, see Furukawa F, et al. 343
Tanigaki T, Kanda R, Sato K: Epidermodysplasia Verruciformis (L-L, 1922) in a Patient with Systemic Lupus Erythematosus 247
Taniguchi S, see Tachibana T, et al. 57
Ternowitz T, Herlin T: Defective Monocyte and Polymorphonuclear Leukocyte Chemotaxis and Clinical Characteristics in Atopic Dermatitis 454
Ternowitz T, see Fogh K, et al. 173
Thivolet J, Faure M, Demidem A, Mauduit G: Cultured Human Epidermal Allografts are not Rejected for a Long Period 252
Thivolet J, see Haftek M, et al. 283
Thomsen K, see Lange Wantzin G, et al. 92
Tigałonowa M, see Gliński W, et al. 6
Tjalve M, see Lange Wantzin G, et al. 92
Toonstra J, see Bruynzeel-Koomen C, et al. 199
Traupe H, see Kim MA, et al. 277
Traupe H, see Kolde G, et al. 1
Tsambaos D, Eichelberg D, Goos M: Behçet's Syndrome: Treatment with Recombinant Leukocyte Alpha-Interferon 335
Tsutsui M, see Itami S, et al. 377
Tur E, see Guy RH, et al. 500

Ueda M, Mishima Y, Mojamdar M, Ichihashi M, Kita M, Kishida T: Time-Dependent Suppression of Melanoma Metastases and Natural Killer Cell Activation by Interferon 329
Ueki H, see Kohda M, et al. 340
Ueki H, see Oka D, et al. 102
Ueki H, see Takei Y, et al. 97
Uhrich S, see Kownatzki E, et al. 190
Utsumi N, see Shikata H, et al. 510

Vahlquist C, Berne B, Boberg M, Michaëlsson G, Vessby B: The Fatty-Acid Spectrum in Plasma and Adipose Tissue in Patients with Psoriasis 114
Vahlqvist A, see Rollman O 17
Vermorken AJM, see Lenoir MC, et al. 120
Verrando P, Ortonne JP: Evidence that Human Epidermal Keratinocytes in Culture Transport Amino-Isobutyric Acid 171
Vessby B, see Vahlquist C, et al. 114
Viac J, see Haftek M, et al. 283

Wagner BM, see Bedord CJ, et al. 486
Walzer C, Frenk E: Cytochemical Expression of Epidermal Peroxidase and Cytochrome Oxidase Activities in Pathological Skin Conditions of Man 460
Wąsik M, see Majewski S, et al. 264
Watanabe M, Iizuka H: Dimethyl Sulfoxide-Induced Augmentation of Adenosine-Adenylate Cyclase Response of Pig Skin Epidermis 470
Weber L, see Mühleck O, et al. 232
Wepierre J, see Roguet R, et al. 503
Wester RC, see Rougier A, et al. 465
Westermark P, Norén P: Two Different Pathogenetic Pathways in Lichen Amyloidosus and Macular Amyloidosis 206
Wichen DF van, see Bruynzeel-Koomen C, et al. . . . 199
Williams ML, see Rehfeld SJ, et al. 259
Wilson R: Risks Posed by Various Components of Hair Dyes 165
Winkelmann RK: Immunofluorescent and Histologic Study of Cold Urticaria 37
Wokalek H, see Kapp A, et al. 274
Wong E, see Cunningham FM, et al. 270
Woollard PM, see Cunningham FM, et al. 270

Yoshino K, see Fujita H, et al. 224
Yoshioka A, Miyachi Y, Imamura S, Niwa Y: Anti-Oxidant Effects of Retinoids on Inflammatory Skin Diseases 177

Zarębska Z, see Gliński W, et al. 6
Zazgornik J, see Gebhart W, et al. 238